	PREJECTED & groundwater 12 12
Facility	
Location	: 126 East Lincoln Ave., Rahway NJ
EPA Regi	
Person(s) in Charge of the Facility:
Name of	Reviewer: El Haven Date: 7/1/88
General :	Description of the Facility:
contami:	mple: landfill, surface impoundment, pile, container; f hazardous substances; location of the facility; nation route of major concern; types of information for rating; agency action, etc.)
	ı
	
Scores:	S _M = 43-23 (S _{SW} = 73.47 S _{SW} = 13.99 S _a = 0)
	Spe =
	SDC =
-	· · · · · · · · · · · · · · · · · · ·

HRS COVER SHEET

	·	ROUND	WATE	RR	OUT	E WORK	SHEET			·
	Rating Factor				d Valu 3 One)		Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Releas	•	0		. (i §)	1	45	45	3.1
	If observed releas						•			
2	Route Characteris Depth to Aquifer Concern		0	1 2	3		2		6	3.2
	Net Precipitation Permeability of th Unsaturated Zon		0	1 2	3		1		3	
	Physical State		0	1 2	3		1		3	
_		To	otal Rout	e Cha	racteri	stics Score			15	-
<u> </u>	Containment		0	1 2	3		1		3	3.3
4	Waste Characteris Toxicity/Persister Hazardous Waste Quantity		-	3 6 1 2	9 12 3 4	15(18) 5 6 7 8	1	18	18 8	3.4
			·							
		To	otal Waste	e Cha	racteri	stics Score		25	26	
<u>s</u>	Targets Ground Water Use Distance to Neare Well/Population Served	-	0 0 12 1 24(3	1 (2) 4 6 6 18 0 32	8 10 20 35 40		3	6 30	9	3.5
						· ·	·		· ————————————————————————————————————	
7				i Tarq	ets Sc	ore		36	49	
		multiply 1 nultiply 2		× 5	× 5			40,500	57.330	
7	Divide line 6 by	y 57,330 and	multiply	by 1	00	Sgw = 78	0.64			

page 2

		SURFA	CE WA	TE	ROUTE	WORK	SH	EET		
	Rating Factor	9			d Value One)		ulti- ler	Score	Max. Score	Ref. (Section
0	Observed Release	•	0		(15)			45	45	4.1
:	If observed releas	se is given a se is given a	value of 4	15, p	roceed to line	4 .			-	
2	Route Characteris	tics				-				
	Facility Slope and Terrain	Intervening	0 1	2	3	. 1			3	4.2
	1-yr. 24-hr. Rainfai		0 1	2	3	1			3	
	Distance to Neare Water	st Surface	0 1	2	3	. 2			6	
	Physical State	:	0 1	2	3	1			3	
		То	ital Route (Char	cteristics Sc	ore			15	
3	Containment		0 1	2	3	1			3	4.3
	Waste Characterist Toxicity/Persistend Hazardous Waste Quantity		0 3 0 1	6 :	9 12 15 (B) 3 4 5 6 (^		ig 7	18 8	4.4
		Tot	al Waste C	hers	cteristics Sci	ore	T	25	26	
	Targets Surface Water Use		0 1 (<u> </u>			•		_	4.5
	Distance to a Sensi	itive	0	2 3		3 2		6	9 8	
F	Population Served/I to Water Intake Downstream	Distance) 0 4 12 16 1 24 30 3	8 20	10	1		0	40	
-			Total T	nge	s Score		Τ	8	55	
_	line 1 is 45, m	iultiply 1 itiply 2 x	x 4 x	回 4 ×	5		9	000	64,350	
<u> </u>	livide line 6 by	64.350 and i	Multiply by	100	\$	13.99	-	<u>+</u> _		

page 3

AIR ROUTE WORK SHEET						
	Rating Factor	Assigned Value (Circle Orie)	Multi- plier	Score	Max. Score	Ref. (Section)
1	Observed Release	(0) 45	1	0	45	5.1
	Date and Location					·
	Sampling Protocol					
		e S = 0. Enter on line 3 . then proceed to line 2 .				,
2	Waste Characteris Reactivity and	0 1 2 3	1		3	5.2
	Incompatibility					
	Toxicity Hazardous Waste Quantity	0 1 2 3 0 1 2 3 4 5 6 7	8 1		9 . 8	·
		Total Waste Characteristics Score			20	
		1012 11213 011213101131131 00010		_		
3	Targets					5.3
	Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	, 1		30	•
	Distance to Sensit		2		6	
	Environment Land Use	0 1 2 3	1		3	1
	•					
		Total Targets Score			39	
4	Multiply 1 x] × 3		0	35,100	
3	Divide line 4 b	/ 35,100 and multiply by 100 Sa = ()		•	

	s	s ²
Groundwater Route Score (Sgw)	73.47	5397.84
Surface Water Route Score (S _{SW})	13.99	195-72
Air Route Score (Sa)	0	0
$s_{gw}^2 + s_{sw}^2 + s_a^2$		5593.56
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		74.79
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73$		S _M = 43.2

Worksheet for computing $s_{\mathbf{M}}$